

Aida Filipović Hadžiomerađić, from the Public Health Institute of Bosnia and Herzegovina, noted the importance of the collaboration in sharing expertise and knowledge. “Previously held workshops and trainings have greatly assisted representatives from Bosnia and Herzegovina, such as doctors, nurses and technicians to gain the necessary skills and expertise to assess body composition using the deuterium dilution technique by Fourier Transform Infrared Spectroscopy (FTIR) and bioelectrical impedance, and to use accelerometry to measure physical activity levels and sedentary behaviour among children,” she said.

The IAEA has supplied FTIR equipment to authorities in Albania, Bosnia and Herzegovina, Greece and Montenegro to help with the analysis

of deuterium enrichment in saliva samples from all ten participating countries. The project is implemented through the IAEA technical cooperation programme.

The deuterium dilution technique may also be used as a reference method to validate existing approaches to screening and monitoring obesity in Latvia, Siksna said.

The symposium was organized in collaboration with the World Health Organization–European Regional Office, the European Association for the Study of Obesity and N8 AgriFood, a multidisciplinary research programme across eight universities in the north of England.

The countries participating in the project are Albania, Bosnia and

Herzegovina, Greece, Hungary, Latvia, the former Yugoslav Republic of Macedonia, Moldova, Montenegro, Portugal and Ukraine. The IAEA is assisting countries in the overall coordination of the project and in providing equipment, expertise and training.

— *By Mariam Arghamanyan*

IAEA guidance on managing disused radioactive sources now available

The Guidance on the Management of Disused Radioactive Sources, endorsed by the 61st IAEA General Conference in September 2017, is now available on the IAEA’s web site. The document stands as supplementary guidance to the Code of Conduct on the Safety and Security of Radioactive Sources, along with the Guidance on the Import and Export of Radioactive Sources.

Millions of radioactive sources are in use around the world in medicine, industry, agriculture and research. Sources may remain radioactive long after the end of their useful life, so it is essential that they be safely managed and securely protected. The Code of Conduct and its supplementary documents foster management and protection by providing guidance on the development, harmonization and implementation of national policies, laws and regulations, and by promoting international and regional cooperation among Member States.

“The Guidance promotes a more rigorous radiation safety and security culture, which will be further enhanced once Member States put the recommendations of the Guidance into practice,” said Hilaire Mansoux,

Head of the IAEA’s Regulatory Infrastructure and Transport Safety Section.

The Guidance, which is not legally binding, describes a variety of options for the management and protection of disused radioactive sources and outlines the responsibilities of relevant parties, including regulatory bodies. It emphasizes disposal as the final management option for disused sources and encourages countries to have national policies and strategies to manage disused radioactive sources in a safe and secure manner. It also contains provisions on bilateral relations, including advice on the return of sources in cases where such arrangements have been agreed.

Muhammed Khaliq, Head of the IAEA’s Nuclear Security of Materials and Facilities Section, noted that the Guidance, once applied, will strengthen nuclear security as well.

“The effective and continuous regulatory and management control of radioactive sources, from cradle to grave, is of utmost importance for the prevention of malicious acts with

harmful radiological consequences,” he said.

Member States make what is called a political commitment to the Code and its supplementary guidance in an official letter to the IAEA, in which they affirm their decision to act in line with the recommendations. Of the IAEA’s 170 Member States, 137 have so far expressed commitment to the Code of Conduct and 114 to the Guidance on the Import and Export of Radioactive Sources.

The IAEA supports Member States in the implementation of the Code of Conduct and Guidance documents through projects and information exchange. This includes a formal process that was established in 2006. The first international meeting for the exchange of experience on the implementation of the Guidance on the Management of the Disused Radioactive Sources is planned for 2020 in Vienna.

— *By Matt Fisher*